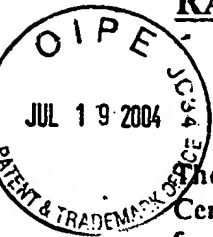# RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: *10/814,634*

Source: *IFWO*

Date Processed by STIC: *4/8/04*

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 703-308-4212; FAX: 703-308-4221
Effective 12/13/03: TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

http://www.uspto.gov/web/offices/pac/checker/chkr41note.htm

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail. Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom. Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to (EFFECTIVE 12/01/03): --
   U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 10/08/03

Raw Sequence Listing Error Summary

ERROR DETECTED	SUGGESTED CORRECTION	SERIAL NUMBER: 10/814,634

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1 _____ Wrapped Nucleics
  Wrapped Aminos

The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."

2 _____ Invalid Line Length

The rules require that a line not exceed 72 characters in length. This includes white spaces.

3 _____ Misaligned Amino
  Numbering

The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.

4 _____ Non-ASCII

The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.

5 _____ Variable Length

Sequence(s) _____ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.

6 _____ PatentIn 2.0
  "bug"

A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.

7 _____ Skipped Sequences
  (OLD RULES)

Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
   (i)   SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped

Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.

8 _____ Skipped Sequences
  (NEW RULES)

Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence.
<210> sequence id number
<400> sequence id number
000

9 _____ Use of n's or Xaa's
  (NEW RULES)

Use of n's and/or Xaa's have been detected in the Sequence Listing.
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

10 _____ Invalid <213>
  Response

Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence

11 _____ Use of <220>

Sequence(s) _____ missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)

12 _____ PatentIn 2.0
  "bug"

Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

13 _____ Misuse of n/Xaa

"n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid

AMC – Biotechnology Systems Branch – 09/09/2003

RAW SEQUENCE LISTING   DATE: 04/08/2004
PATENT APPLICATION: US/10/814,634   TIME: 10:04:11

Input Set : **A:\SEQLIST FINAL.TXT**
Output Set: **N:\CRF4\04082004\J814634.raw**

```
  4 <110> APPLICANT: CHENEVAL, Dominique
  5        KASTELIC, Tania
  6        Novation Pharmaceuticals Inc.
  8 <120> TITLE OF INVENTION: Assay for identifying Compounds Which
  9        Affect Stability of mRNA
 12 <130> FILE REFERENCE: 793-104CIP
 14 <140> CURRENT APPLICATION NUMBER: US/10/814,634
 14 <141> CURRENT FILING DATE: 2004-04-01
 14 <150> PRIOR APPLICATION NUMBER: 09/869,159
 15 <151> PRIOR FILING DATE: 1999-12-23
 17 <160> NUMBER OF SEQ ID NOS: 30
 19 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 21 <210> SEQ ID NO: 1
 22 <211> LENGTH: 1105
 23 <212> TYPE: DNA
 24 <213> ORGANISM: Homo Sapiens
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 28 tgtccattta tagaataatg tgggaagaaa caaacccgtt ttatgattta ctcattatcg 120
 29 ccttttgaca gctgtgctgt aacacaagta gatgcctgaa cttgaattaa tccacacatc 180
 30 agtaatgtat tctatctctc tttacatttt ggtctctata ctacattatt aatgggtttt 240
 31 gtgtactgta aagaatttag ctgtatcaaa ctagtgcatg aatagattct ctcctgatta 300
 32 tttatcacat agcccccttag ccagttgtat attattcttg tggtttgtga cccaattaag 360
 33 tcctacttta catatgcttt aagaatcgat gggggatgct tcatgtgaac gtgggagttc 420
 34 agctgcttct cttgcctaag tattcctttc ctgatcacta tgcattttaa agttaaacat 480
 35 ttttaagtat ttcagatgct ttagagagat ttttttttcc atgactgcat tttactgtac 540
 36 agattgctgc ttctgctata tttgtgatat aggaattaag aggatacaca cgtttgtttc 600
 37 ttcgtgcctg ttttatgtgc acacattagg cattgagact tcaagctttt cttttttgt 660
 38 ccacgtatct ttgggtcttt gataaagata agaatccctg ttcattgtaa gcacttttac 720
 39 ggggcgggtg gggaggggtg ctctgctggt cttcaattac caagaattct ccaaaacaat 780
 40 tttctgcagg atgattgtac agaatcattg cttatgacat gatcgctttc tacactgtat 840
 41 tacataaata aattaaataa aataacccg ggcaagactt ttctttgaag gatgactaca 900
 42 gacattaaat aatcgaagta attttgggtg gggagaagag gcagattcaa tttctttaa 960
 43 ccagtctgaa gtttcattta tgatacaaaa gaagatgaaa atggaagtgg caatataagg 1020
 44 ggatgaggaa ggcatgcctg gacaaaccct tctttaaga tgtgtcttca atttgtataa 1080
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 47 <210> SEQ ID NO: 2
 48 <211> LENGTH: 904
 49 <212> TYPE: DNA
 50 <213> ORGANISM: Homo Sapiens
 52 <400> SEQUENCE: 2
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 54 tagaaataat atgcattgtc agtgatgtac catgaaacaa agctgcaggc tgtttaagaa 120
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**Does Not Comply
Corrected Diskette Needed**
(P3,4-5)

OIPE
JUL 1 9 2004
PATENT & TRADEMARK OFFICE

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55 aaaataacac acatataaac atcacacaca cagacagaca cacacacaca caacaattaa 180
56 cagtcttcag gcaaaacgtc gaatcagcta tttactgcca aagggaaata tcatttattt 240
57 tttacattat taagaaaaaa agatttattt atttaagaca gtcccatcaa aactcctgtc 300
58 tttggaaatc cgaccactaa ttgccaagca ccgcttcgtg tggctccacc tggatgttct 360
59 gtgcctgtaa acatagattc gctttccatg ttgttggccg gatcaccatc tgaagagcag 420
60 acggatggaa aaaggacctg atcattgggg aagctggctt tctggctgct ggaggctggg 480
61 gagaaggtgt tcattcactt gcatttcttt gccctggggg ctgtgatatt aacagaggga 540
62 gggttcctgt ggggggaagt ccatgcctcc ctggcctgaa gaagagactc tttgcatatg 600
63 actcacatga tgcatacctg gtgggaggaa aagagttggg aacttcagat ggacctagta 660
64 cccactgaga tttccacgcc gaaggacagc gatgggaaaa atgcccttaa atcataggaa 720
65 agtatttttt taagctacca attgtgccga gaaaagcatt ttagcaattt atacaatatc 780
66 atccagtacc ttaagccctg attgtgtata ttcatatatt ttggatacgc accccccaac 840
67 tcccaatact ggctctgtct gagtaagaaa cagaatcctc tggaacttga ggaagtgcgg 900
68 ccgc                                                                904
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72 <212> TYPE: DNA
73 <213> ORGANISM: Homo Sapiens

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78 aaaataacac acatataaac atcacacaca cagacagaca cacacacaca caacaattaa 180
79 cagtcttcag gcaaaacgtc gaatcagcta tttactgcca aagggaaata tcatttattt 240
80 tttacattat taagaaaaaa agatttattt atttaagaca gtcccatcaa aactcctgtc 300
81 tttggaaatc cgaccactaa ttgccaagca ccgcttcgtg tggctccacc tggatgttct 360
82 gtgcctgtaa acatagattc gctttccatg ttgttggccg gatcaccatc tgaagagcag 420
83 acggatggaa aaaggacctg atcattgggg aagctggctt tctggctgct ggaggctggg 480
84 gagaaggtgt tcattcactt gcatttcttt gccctggggg ctgtgatatt aacagaggga 540
85 gggttcctgt ggggggaagt ccatgcctcc ctggcctgaa gaagagactc tttgcatatg 600
86 actcacatga tgcatacctg gtgggaggaa aagagttggg aacttcagat ggacctagta 660
87 cccactgaga tttccacgcc gaaggacagc gatgggaaaa atgcggccgc           710
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90 <211> LENGTH: 688
91 <212> TYPE: DNA
92 <213> ORGANISM: Homo Sapiens

94 <400> SEQUENCE: 4
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96 aaggccccca aggtagttat ccttaaaaaa gccacagcat acatcctgtc cgtccaagca 120
97 gaggagcaaa agctcatttc tgaagaggac ttgttgcgga aacgacgaga acagttgaaa 180
98 cacaaacttg aacagctacg gaactcttgt gcgtaaggaa aagtaaggaa aacgattcct 240
99 tctgacagaa atgtcctgag caatcaccta tgaacttgtt tcaaatgcat gatcaaatgc 300
100 aacctcacaa ccttggctga gtcttgagac tgaaagattt agccataatg taaactgcct 360
101 caaattggac tttgggcata aaagaacttt tttatgctta ccatcttttt tttttcttta 420
102 acagattgt atttaagaat tgtttttaaa aaattttaag atttacacaa tgtttctctg 480
103 taaatattgc cattaaatgt aaataacttt aataaaacgt ttatagcagt tacacagaat 540
104 ttcaatccta qtatatagta cctagtatta taggtactat aaaccctaat tttttttatt 600
105 taagtacatt ttgcttttta aagttgattt ttttctattg tttttagaaa aaataaaata 660
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115 ttattacccc ctccttcaga caccctcaac ctcttctggc tcaaaaagag aattgggggc 120
116 ttagggtcgg aacccaagct tagaacttta agcaacaaga ccaccacttc gaaacctggg 180
117 attcaggaat gtgtggcctg cacagtgaag tgctggcaac cactaagaat tcaaactggg 240
118 gcctccagaa ctcactgggg cctacagctt tgatccctga catctggaat ctggagacca 300
119 gggagccttt ggttctggcc agaatgctgc aggacttgag aagacctcac ctagaaattg 360
120 acacaagtgg accttaggcc ttcctctctc cagatgtttc cagacttcct tgagacacgg 420
121 agcccagccc tccccatgga gccagctccc tctatttatg tttgcacttg tgattattta 480
122 ttatttattt attatttatt tatttacaga tgaatgtatt tatttgggag accggggtat 540
123 cctgggggac ccaatgtagg agctgccttg gctcagacat gttttccgtg aaacggagc 600
124 tgaacaatag gctgttccca tgtagccccc tggcctctgt gccttctttt gattatgttt 660
125 tttaaaatat ttatctgatt aagttgtcta aacaatgctg atttggtgac caactgtcac 720
126 tcattgctga gcctctgctc cccaggggag ttgtgtctgt aatcgcccta ctattcagtg 780
127 gcgagaaata aagtttgctt catatg                                      806
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130 <211> LENGTH: 613
131 <212> TYPE: DNA
132 <213> ORGANISM: Homo Sapiens
134 <400> SEQUENCE: 6
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136 gggctggcag aaagggaaca gaaaggtttt tgagtacggc tatagcctgg actttcctgt 120
137 tgtctacacc aatgcccaac tgcctgcctt agggtagtgc taagaggatc tcctgtccat 180
138 cagccaggac agtcagctct ctcctttcag ggccaatccc cagccctttt gttgagccag 240
139 gcctctctca cctctcctac tcacttaaag cccgcctgac agaaaccacg gccacatttg 300
140 gttctaagaa accctctgtc attcgctccc acattctgat gagcaaccgc ttccctattt 360
141 atttatttat ttgtttgttt gttttattca ttggtctaat ttattcaaag ggggcaagaa 420
142 gtagcagtgt ctgtaaaaga gcctagtttt taatagctat ggaatcaatt caatttggac 480
143 tggtgtgctc tctttaaatc aagtccttta attaagactg aaaatatata agctcagatt 540
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145 acttcaccat atg                                                    613
147 <210> SEQ ID NO: 7
148 <211> LENGTH: 1101
149 <212> TYPE: DNA
150 <213> ORGANISM: Homo Sapiens
152 <400> SEQUENCE: 7
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154 aggggcactg cctggaagat tcaggagcct gggcggcctt cgcttactct cacctgcttc 120
155 tgagttgccc aggaggccac tggcagatgt cccggcgaag agaagagaca cattgttgga 180
156 agaagcagcc catgacagct ccccttcctg ggactcgccc tcatcctctt cctgctcccc 240
157 ttcctggggt gcagcctaaa aggacctatg tcctcacacc attgaaacca ctagttctgt 300
158 ccccccagga gacctggttg tgtgtgtgtg agtggttgac cttcctccat cccctggtcc 360
159 ttcccttccc ttcccgaggc acagagagac agggcaggat ccacgtgccc attgtggagg 420
160 cagagaaaag agaaagtgtt ttatatacgg tacttattta atatcccttt ttaattagaa 480
161 attaaaacag ttaatttaat taaagagtag ggtttttttt cagtattctt ggttaatatt 540
162 taatttcaac tatttatgag atgtatcttt tgctctctct tgctctctta tttgtaccgg 600
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163 tttttgtata taaaattcat gtttccaatc tctctctccc tgatcggtga cagtcactag 660
164 cttatcttga acagatattt aattttgcta acactcagct ctgccctccc cgatcccctg 720
165 gctccccagc acacattcct ttgaaataag gtttcaatat acatctacat actatatata 780
166 tatatttggc aacttgtatt tgtgtgtata tatatatata tatgtttatg tatatatgtg 840
167 attctgataa aatagacatt gctattctgt tttttatatg taaaaacaaa acaagaaaaa 900
168 atagagaatt ctacatacta aatctctctc ctttttttaat tttaatattt gttatcattt 960
169 atttattggt gctactgttt atccgtaata attgtgggga aaagatatta acatcacgtc 1020
170 tttgtctcta gtgcagtttt tcgagatatt ccgtagtaca tatttatttt taaacaacga 1080
171 caaagaaata cagaacatat g                                          1101
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174 <211> LENGTH: 168
175 <212> TYPE: DNA
176 <213> ORGANISM: Homo Sapiens
178 <400> SEQUENCE: 8
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180 tatatatata aaaataaata tctctatttt atatatataa aatatatata ttctttttttt 120
181 aaattaacag tgctaatgtt attggtgtct tcactggatg aacatatg            168
183 <210> SEQ ID NO: 9
184 <211> LENGTH: 33
185 <212> TYPE: DNA
186 <213> ORGANISM: (Primer)
188 <400> SEQUENCE: 9
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192 <211> LENGTH: 30
193 <212> TYPE: DNA
194 <213> ORGANISM: (Primer)
196 <400> SEQUENCE: 10
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200 <211> LENGTH: 29
201 <212> TYPE: DNA
202 <213> ORGANISM: (Primer)
204 <400> SEQUENCE: 11
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208 <211> LENGTH: 28
209 <212> TYPE: DNA
210 <213> ORGANISM: (Primer)
212 <400> SEQUENCE: 12
213 agcggccgct gaagtcaaca tgcctgcc                                   28
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216 <211> LENGTH: 28
217 <212> TYPE: DNA
218 <213> ORGANISM: (Primer)
220 <400> SEQUENCE: 13
221 agcggccgca ttttcccat cgctgtcc                                    28
223 <210> SEQ ID NO: 14
224 <211> LENGTH: 28
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[Handwritten annotations:] Invalid Response — mandatory) — Invalid Response <213> Response has to be either Artificial/ Unknown OR Genus/Species — Invalid Response — Please see item #10 on error summary sheet. — Invalid Response

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/814,634

DATE: 04/08/2004
TIME: 10:04:11

Input Set : **A:\SEQLIST FINAL.TXT**
Output Set: **N:\CRF4\04082004\J814634.raw**

Same errors

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226 <213> ORGANISM: Primer
228 <400> SEQUENCE: 14
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231 <210> SEQ ID NO: 15
232 <211> LENGTH: 32
233 <212> TYPE: DNA
234 <213> ORGANISM: Primer
236 <400> SEQUENCE: 15
237 agcggccgct cggagctttt ttgccctgcg tg                           32
239 <210> SEQ ID NO: 16
240 <211> LENGTH: 28
241 <212> TYPE: DNA
242 <213> ORGANISM: Primer
244 <400> SEQUENCE: 16
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248 <211> LENGTH: 31
249 <212> TYPE: DNA
250 <213> ORGANISM: Primer
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255 <210> SEQ ID NO: 18
256 <211> LENGTH: 27
257 <212> TYPE: DNA
258 <213> ORGANISM: Primer
260 <400> SEQUENCE: 18
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263 <210> SEQ ID NO: 19
264 <211> LENGTH: 30
265 <212> TYPE: DNA
266 <213> ORGANISM: Primer
268 <400> SEQUENCE: 19
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271 <210> SEQ ID NO: 20
272 <211> LENGTH: 32
273 <212> TYPE: DNA
274 <213> ORGANISM: Primer
276 <400> SEQUENCE: 20
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279 <210> SEQ ID NO: 21
280 <211> LENGTH: 32
281 <212> TYPE: DNA
282 <213> ORGANISM: Primer
284 <400> SEQUENCE: 21
285 tgcggccgca ttgctgtgct ttggggattc cc                          32
287 <210> SEQ ID NO: 22
288 <211> LENGTH: 33
289 <212> TYPE: DNA
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The type of errors shown exist throughout the Sequence Listing. Please check subsequent sequences for similar errors.

VERIFICATION SUMMARY   DATE: 04/08/2004
PATENT APPLICATION: US/10/814,634   TIME: 10:04:12

Input Set : **A:\SEQLIST FINAL.TXT**
Output Set: **N:\CRF4\04082004\J814634.raw**

L:14 M:270 C: Current Application Number differs, Replaced Current Application No
L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date